Cooler Master GX Series

550W / 650W / 750W

The latest addition from Cooler Master is a range of 550W, 650W and 750W power supplies that specifically targets upper mid-range to high-end gaming systems, the Cooler Master GX Series.The Cooler Master GX range of power supplies feature a single powerful +12V rail that has been designed to deliver more than ample power to dual graphics card systems, no matter if you use SLI or CrossFireX.

Features

- Compliance with the latest Intel standard ATX 12V V 2.31
- Single +12V rail for the most demanding SLI configurations
- High efficiency design that meets 80 Plus requirements (85% typical)
- Ultra-silent operation with intelligent 120mm fan speed control
- Multiple protection design (OVP / UVP / OPP / OTP / SCP)
- High reliability (MTBF>100,000 hours)
- Double Layer EMI Filter restrains noise and injury to end-user
- Huge bulk capacitor for hold up time >17ms at full loading
- Integrating Active PFC with PWM combo controller not only make PFC higher than 0.99, but also raises efficiency
- Efficient transformer for reducing 5Vsb power loss when the system is at turn-off and sleep modes
- Five-year warranty

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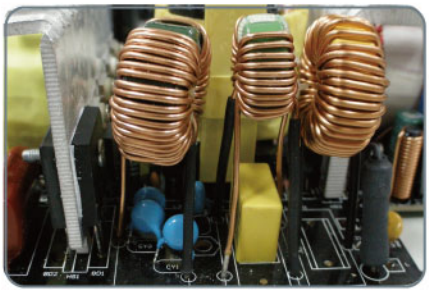
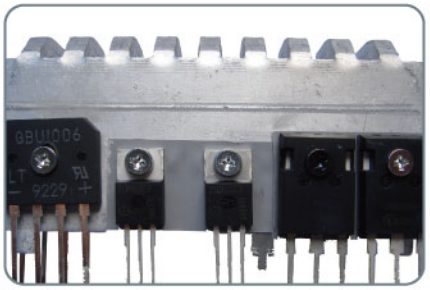
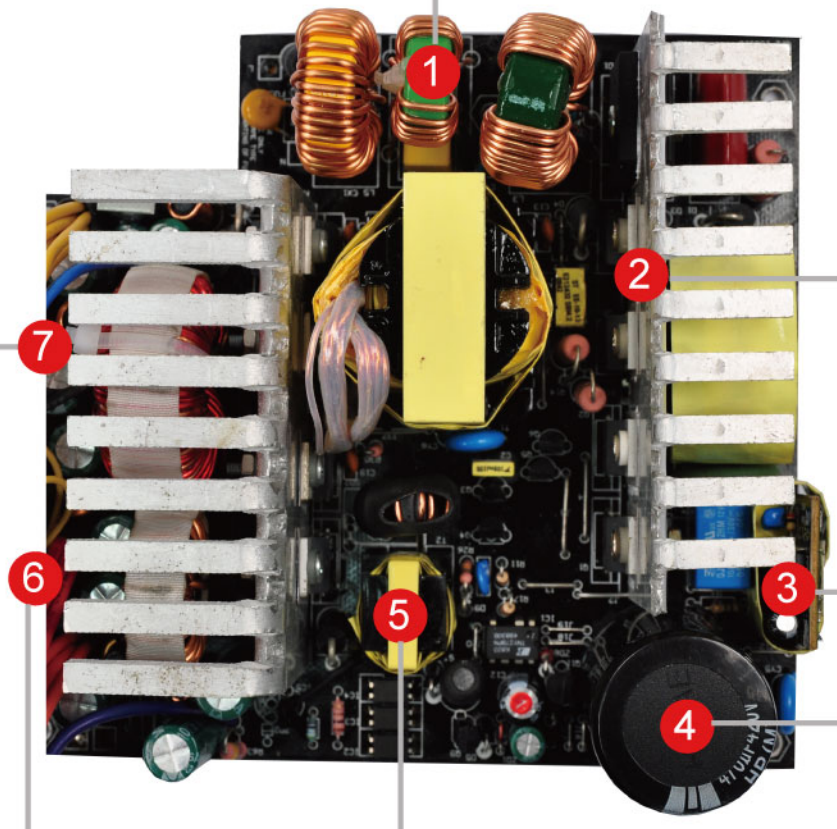
Internal Design

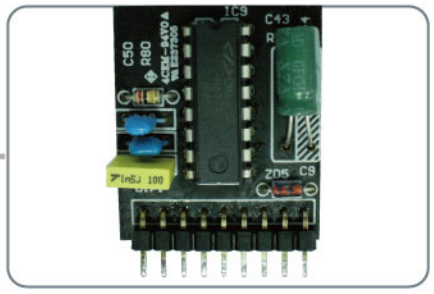


Double Layer EMI Filter to restrain noise

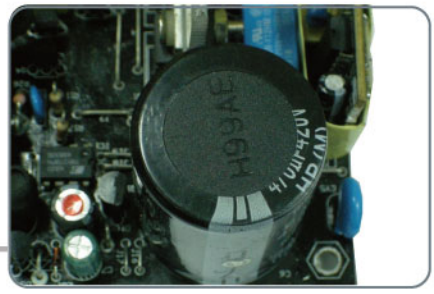


Dual Forward Design

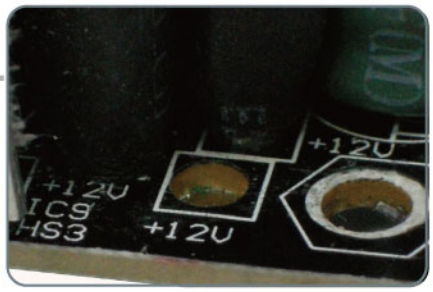




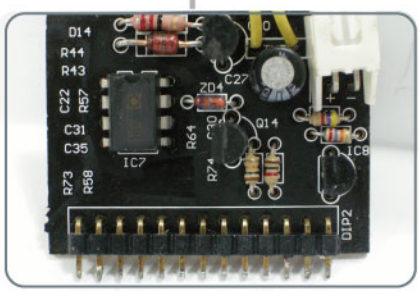
Active PFC/PWM combo controller to increase efficiency



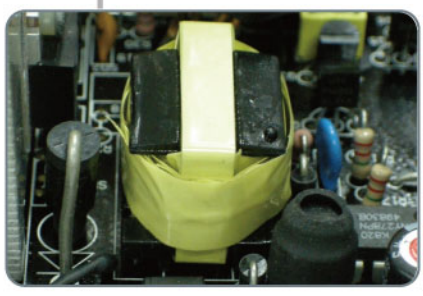
Huge bulk capacitor for hold up time > 17 ms



Single Rail +12V for high demanding SLI



Full Protection and Intelligent Fan Controller



Efficient transformer for reducing 5Vsb power loss

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Specifications

Model	RS-550-ACAA-E3	RS-650-ACAA-E3	RS-750-ACAA-E3
Type	Intel Form Factor ATX 12V V2.31	Intel Form Factor ATX 12V V2.31	Intel Form Factor ATX 12V V2.31
PFC	Active PFC (>0.9)	Active PFC (>0.9)	Active PFC (>0.9)
Input Voltage	90-264Vac (Auto Range)	90-264Vac (Auto Range)	90-264Vac (Auto Range)
Input Current	7A@115Vac, 5A@230Vac	10A@115Vac, 6A@230Vac	10A@115Vac, 6A@230Vac
Input Frequency	47-63Hz	47-63Hz	47-63Hz
Output Capacity	550W	650W	750W
Max. Output Capacity	660W	780W	900W
Fan Type	120mm	120mm	120mm
Power Good Signal	100~500ms	100~500ms	100~500ms
Hold up time	>17ms	>17ms	>17ms
Efficiency	85% typical	85% typical	85% typical
MTBF	>100,000 hours	>100,000 hours	>100,000 hours
Protection	OVP / UVP / OPP / OTP / SCP	OVP / UVP / OPP / OTP / SCP	OVP / UVP / OPP / OTP / SCP
Dimension	150 x 140 x 86 mm (5.9 x 5.5 x 3.4 inch)	150 x 140 x 86 mm (5.9 x 5.5 x 3.4 inch)	150 x 140 x 86 mm (5.9 x 5.5 x 3.4 inch)
Operation Temp.	0~40℃ (Nominal Input Voltage)	0~40℃ (Nominal Input Voltage)	0~40℃ (Nominal Input Voltage)
Regulatory	TUV / CE / UL / FCC / BSMI / GOST / C-tick / CCC / KCC	TUV / CE / UL / FCC / BSMI / GOST / C-tick / CCC / KCC	TUV / CE / UL / FCC / BSMI / GOST / C-tick / CCC / KCC
Certification	80 PLUS	80 PLUS	SLI / 80 PLUS
Connectors	20+4 Pin MB x1 4+4 Pin CPU 12V x1 6+2 Pin PCI-e x2 SATA x6 4 Pin Peripherial x3 4 Pin Floppy x1	20+4 Pin MB x1 4+4 Pin CPU 12V x1 6+2 Pin PCI-e x2 SATA x6 4 Pin Peripherial x3 4 Pin Floppy x1	20+4 Pin MB x1 4+4 Pin CPU 12V x1 6+2 Pin PCI-e x4 SATA x9 4 Pin Peripherial x3 4 Pin Floppy x1

550W

AC Input	110-240Vac 7-5A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	24A	24A	44A	0.5A	2.5A
Total Output	140W		528W	6W	12.5W
	550W				

650W

AC Input	110-240Vac 10-6A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	25A	25A	52A	0.5A	2.5A
Total Output	150W		624W	6W	12.5W
	650W				

750W

AC Input	110-240Vac 10-6A 60-50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	25A	25A	60A	0.5A	2.5A
Total Output	150W		720W	6W	12.5W
	750W				

Connectors

Motherboad 20+4 Pin

CPU 12V 4+4 Pin

PCI-e 6+2 Pin

Peripheral 4 Pin

SATA

Floppy 4 Pin

	Motherboad 20+4 Pin	CPU 12V 4+4 Pin	PCI-e 6+2 Pin	Peripheral 4 Pin	SATA	Floppy 4 Pin
550W / 650W	1	1	2	3	6	1
750W	1	1	4	3	9	1

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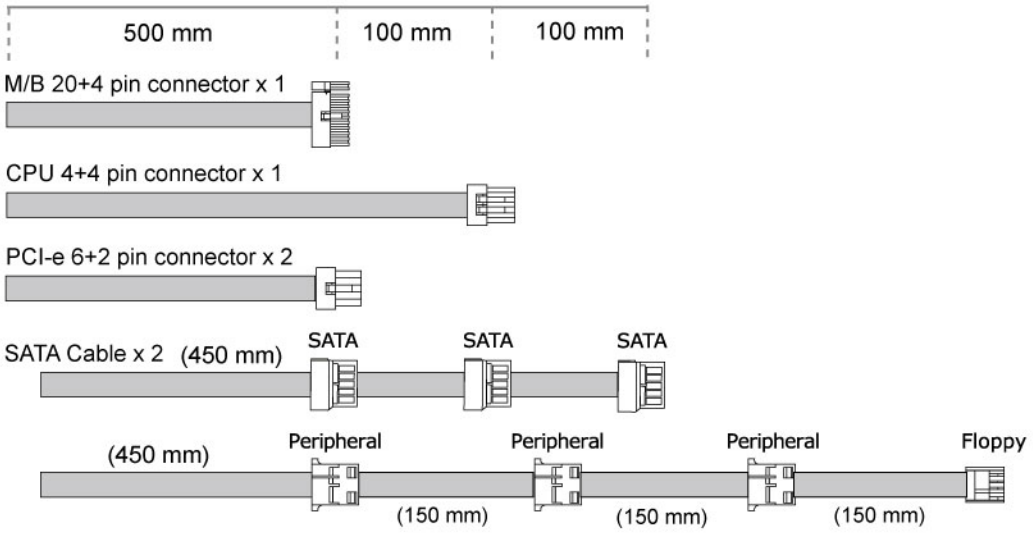
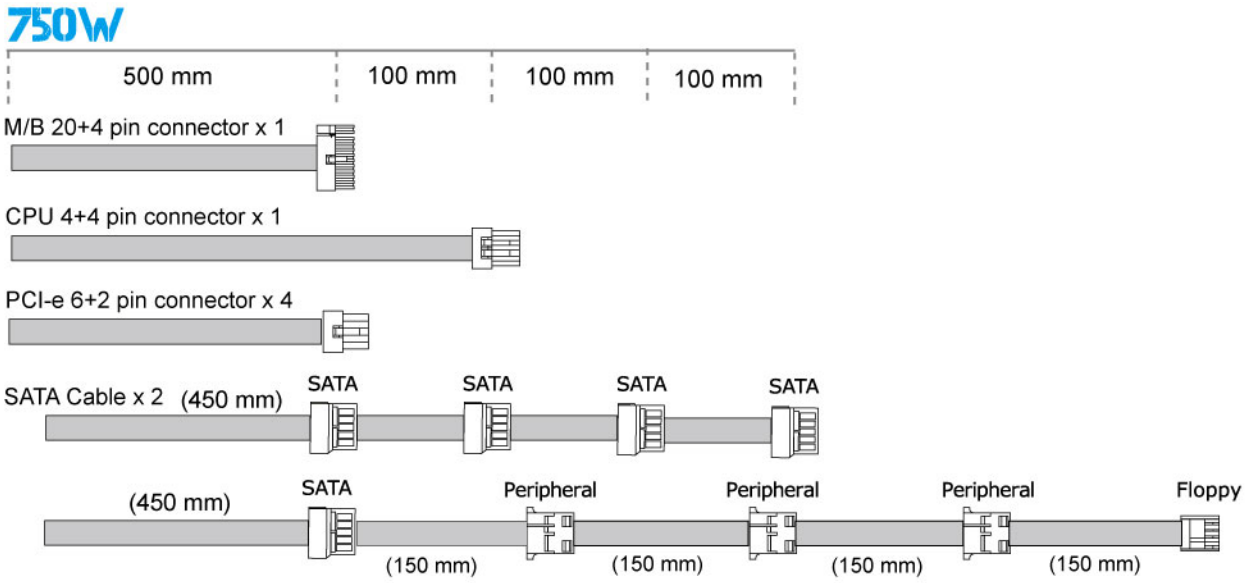
Cable Length

550W 650W



750W



Package Information

	RS-550-ACAA-E3	RS-650-ACAA-E3	RS-750-ACAA-E3
EAN	4719512018125	4719512018118	4719512018101
UPC	884102007613	884102007606	884102007590
Carton Size	505 x 240 x 250 mm	505 x 240 x 250 mm	505 x 240 x 250 mm
Units / Carton	5 pcs / Carton	5 pcs / Carton	5 pcs / Carton
Units / Pallet	30 cartons / Pallet	30 cartons / Pallet	30 cartons / Pallet
Retail Box Size	227 x 223 x 96 mm	227 x 223 x 96 mm	227 x 223 x 96 mm
Retail Box Weight	2.4 kg	2.5 kg	2.7 kg

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